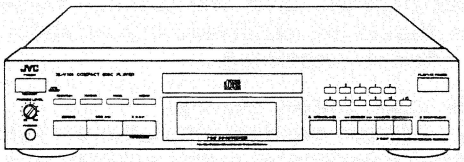
XL-V163TN/V164BK
XL-V263TN/V264BK

JVC

COMPACT DISC PLAYER

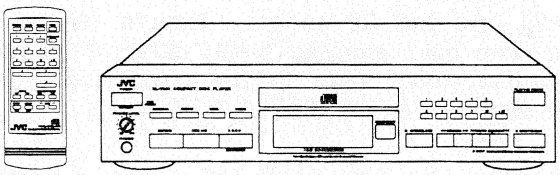
XL-V163TN/V164BK
XL-V263TN/V264BK

COMPACT disc DIGITAL AUDIO



COMPU LINK Component

(XL-V163TN/XL-V164BK)



COMPU LINK Remote Control Component

(XL-V263TN/XL-V264BK)

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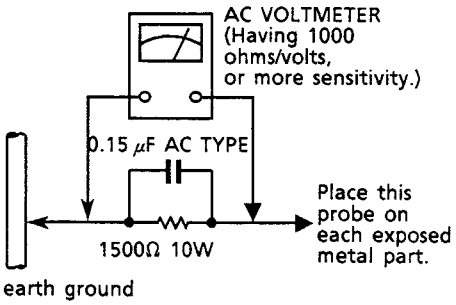
Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute repalcement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, contorl shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor.
     Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

Important for Laser Products

1. CLASS 1 LASER PRODUCT
2. DANGER : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.
4. CAUTION : The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.
5. CAUTION : If safety switches malfunction, the laser is able to function.
6. CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
7. CAUTION : The compact disc player provides a laser diode of wavelength 780-790nm and optical output power typical 3mW at the laser diode.

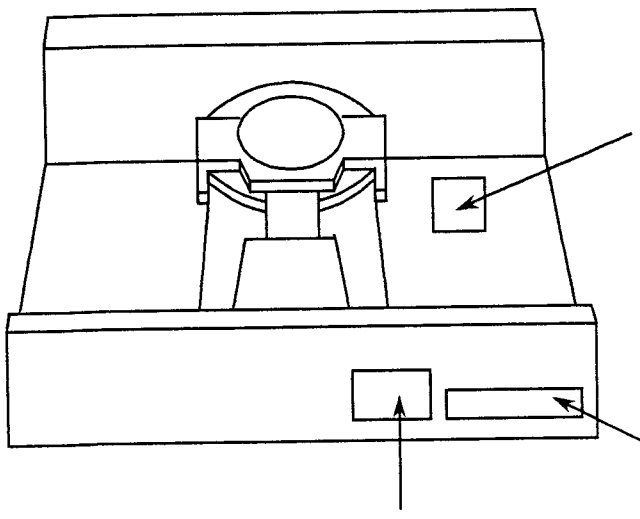
VARNING : Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

ADVARSEL : Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstråling ved åpning, når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABELS



WARNING LABEL
(Except for the U. S. A.)

DANGER: invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)

VARNING: Osynling laserstråling när denna del å öppnad och spärren är urkoppled. Betrakta ej stålen. (s)

ADVARSEL: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude at funktion. Undgåudsættelse for stråling. (d)

VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

CLASS 1
LASER PRODUCT

CLASSIFICATION LABEL
(Except for the U. S. A. and Canada)

CERTIFICATION
THIS PRODUCT COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE .

CERTIFICATION PRINT BY DHHS
(Only for the U.S.A.)

IMPORTANT for the U.K.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

If nontheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.
If this product is not supplied fitted with a mains plug then follow the instructions given below:
IMPORTANT.

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

THIS UNIT IS PRODUCED TO COMPLY WITH DIRECTIVE 76/889/EEC.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

IMPORTANT FOR LASER PRODUCTS

REPRODUCTION OF LABELS

① CLASSIFICATION LABEL, PLACED ON REAR ENCLOSURE
(Except for the U.S.A.)

CLASS 1
LASER PRODUCT

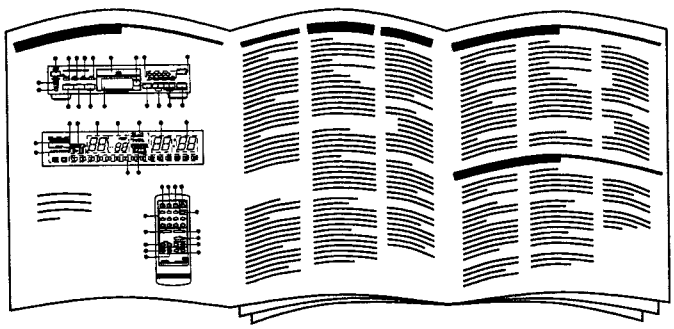
② WARNING LABEL, PLACED INSIDE THE UNIT
(Except for the U.S.A.)

DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**VARNING:** Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling (d)	**VARO:** Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

E406507-001

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.

On the back fold-out page of this page are illustrations of the front panel, the display and the remote control unit.
Please see reverse side of this fold-out page when you read the instructions corresponding by number.



FRONT PANEL

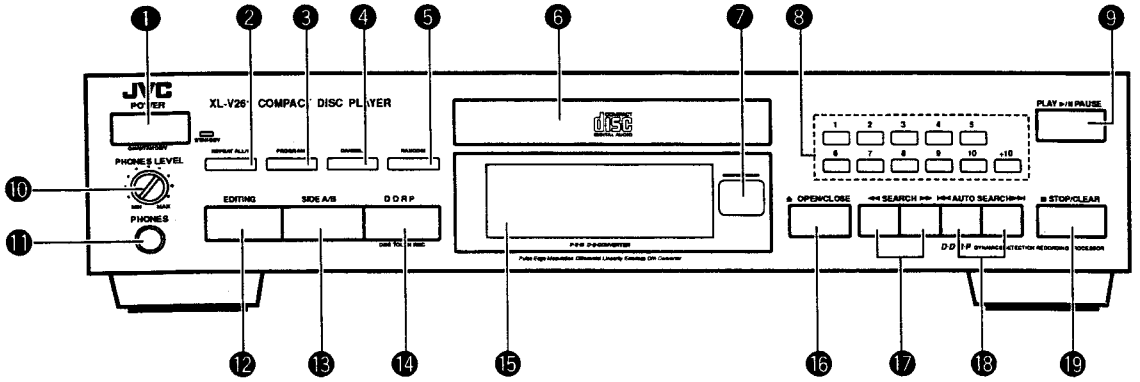


FIG. 1

DISPLAY

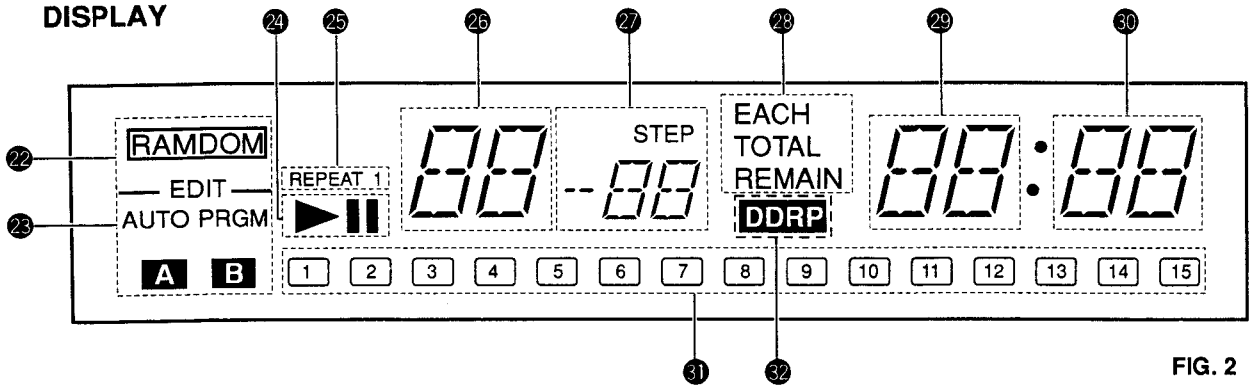


FIG. 2

REMOTE CONTROL UNIT

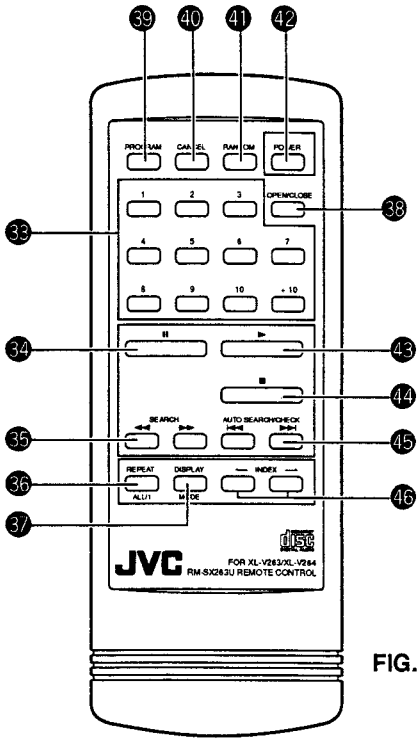


FIG. 3

ENGLISH

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How to handle a compact disc 1
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How to install the batteries 3
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Troubleshooting 8
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Thank you for purchasing this JVC product. Before you begin operating this unit, please read the instructions carefully to be sure you get the best possible performance.
If you have any question, consult your JVC dealer.

COMPU LINK Control System

XL-V163TN, XL-V164BK

COMPU LINK //// Remote //// Control System

XL-V263TN, XL-V264BK

COMPU LINK (remote) Control System is a convenient system using COMPU LINK-1, 3/SYNCHRO terminals on the rear panel.
For further details, refer to page 2.

D·D·R·P

DYNAMICS DETECTION RECORDING PROCESSOR

This product can be combined with a DDRP (Dynamic Detection Recording Processor) system (compact disc player + cassette deck, etc.) to enable setting the optimum recording level automatically.
For further details, refer to page 2.

Notes:

- **XL-V163TN/XL-V164BK/XL-V263TN/XL-V264BK has almost the same function. Their differences are as follows:**

Model Name	Color	Remote Control
XL-V163TN	Titanium	No
XL-V164BK	Black	No
XL-V263TN	Titanium	Yes
XL-V264BK	Black	Yes

PRECAUTION IN USE

Installation

- Select a location which is level, dry and **Neither too cold nor too hot (between 5°C (41°F) and 35°C(95°F).**
- Avoid a dusty location or a location subject to vibrations.

Power

- When unplugging from the wall outlet, always pull on the plug, not on the power cord.

Malfunctions, etc.

- Do not insert any metallic object into the player.
- The discs to be played on this player are limited to those bearing the mark below (Fig. 4).
- Placing anything other than a compact disc on the tray may cause the player to malfunction.
- If something goes wrong, turn the power off immediately. If the same phenomenon occurs when the power is turned on again, turn the power off and consult your JVC dealer.

Volume setting

As a compact disc causes almost no noise, it is difficult to set the volume level by listening to noise as in the case of an ordinary analog turntable or a tape deck. If the volume level is raised too much because the beginning of the selection is quiet, the speakers may be damaged by a sudden increase in the sound level.

Condensation

As the compact disc player uses optical parts, moving it from a cold to warm place or using it in a room subject to excessive humidity or in a room where a fire has just been lit may cause condensation on the optical parts. This phenomenon may prevent the light from being correctly transmitted, and may cause noise or malfunction.
If dew condenses and the player does not function correctly, leave it on for several hours with the power turned on.
If the player does not function even after such period, consult your dealer.

Note:

- **When this unit is placed near a tuner or a receiver, noise may occur. If this happens, move this unit as far from the tuner or the receiver as possible, or briefly turn off the power of the unit.**

COMPACT disc DIGITAL AUDIO

Fig 4

HOW TO HANDLE A COMPACT DISC

Since compact discs are made of plastic, they can be easily damaged; if the disc gets dirty, dusty, damaged or warped, the sound will not be picked up correctly, and such discs may cause the player to malfunction. When handling compact disc,use the following precautions.

- Do not touch the surface of the disc (reflective silver i.e. the side without the label) When handling the discs.
- **Storage**
  Make sure to keep discs in their cases. If discs are piled on top of the one another without cases, they can be damaged. Do not put discs in a location exposed to direct sunlight or in a place with high temperature and humidity.
  Avoid leaving discs in your car.
- **Maintenance of discs (Fig. 5)**
  When fingerprints and dirt adhere to a disc, wipe the disc off with a soft, dry cloth from the inside towards the outside. If it is dificult to clean, wipe the dics with a cloth moistened with water.
- Do not use record cleaners, benzine, alcohol or antistatic agent.
- Do not damage the label side or stick paper or adhesive to the surface.
- In the case of an 8 cm (3") single CD, place it in the disc hold, for an 8 cm (3") disc, within the tray.

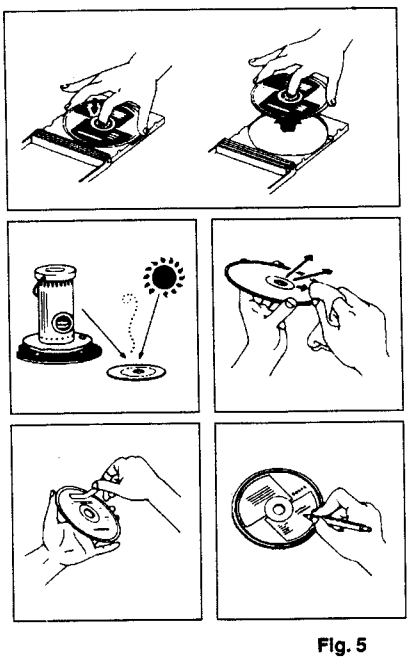

Fig. 5

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ENGLISH

COMPU LINK CONTROL SYSTEM

The Compu Link Remote Control System controls relative operations between components automatically and facilitates various operations. This is a system originated and developed by JVC for facilitating various system operations. There are two versions of this system; version 1 and 3. (For version 1 components, "COMPU LINK-1 SYNCHRO" is marked on the rear panel. For version 3 components, "COMPU LINK-3 SYNCHRO" is marked on the rear panel. This unit belongs to version 3.) The version 3 system control relative functions between this unit and an amplifier or receiver, in addition to all of the functions of version 1.

Automatic Source Selection
When the provided remote cable are used for connecting this unit to other components which have COMPU LINK-1, 3/SYNCHRO terminals, the switch-over of all system components is possible with simple one-touch of the source selector button of the JVC amplifier or receiver. By doing this, the corresponding component will start playing automatically. The source select button of the remote control unit or the select button of the desired component can also be use for this purpose.
When the components have been switch over, the previously used component will stop playing within five seconds.

Synchronized Recording
If a cassette deck with COMPU LINK-1, 3/SYNCHRO terminals is connected with the remote cable supplied, synchro recording becomes possible.
Synchronized recording refers to the process in which the cassette deck starts recording in the synchronism with the CD player. Perform the synchronized recording as follows.
1. Set the cassette deck to the REC/PAUSE mode in accordance with the procedures in the instructions.
2. If you want programmed recordings, program the desired selections in any order you wish to hear them.
3. Press the [PLAY▶/II PAUSE] button of the CD player. By doing so, the cassette deck is placed in the record mode and synchronized with the CD player for recording. Synchronized recording thus can be made possible.

Automatic Source Selection
This feature works only when this unit is connected to an amplifier or receiver with COMPU LINK-3 SYNCHRO terminals.
By pressing the [PLAY▶/II PAUSE] or (▶) button, you can turn on this unit and the connected equipment (amplifier or receiver), and by turning off the connected equipment, you can turn off this unit.

Notes:
- **Synchronized recording stops automatically when the CD player stops playing.**
- **To cancel synchronized recording, press the [■ STOP/CLEAR] button of the CD player or cassette deck.**

CAUTION:
- **When the REC/PAUSE mode is set by pressing [PAUSE (II)] button after pressing the [REC (○)] and [PLAY (▶)] buttons simultaneously, synchronized recording is not possible. For details, refer to the instructions of the cassette deck.**
- **Abnormal operation will result if the power supply of the component(s) is interrupted. If this happens, you must start all over again.**
- **Ensure that the COMPU LINK-1, 3/SYNCHRO terminals of the individual components are connected with the provided remote cables. Also be sure to fully read the instructions for each component.**

DDRP (Dynamics Detection Recording Processor)

The Dynamics Detection Recording Processor (DDRP) detects the peak level of the music being performed and outputs the optimum recording level.
When the (DDRP) button is pressed, the DDRP indicator starts to flash, the letters "ddrp" run along the display and the volume is reset to the maximum value. Each time a new peak level is detected during peak search mode, the PHONES OUTPUT LEVEL setting is reduced and the optimum level is set. The time taken for peak search varies with the total performance time of the music being scanned, but is around two minutes for a 40 minute performance time.

DDRP Recording
The combination of the DDRP function and synchro recording makes recording on tape cassette very easy. There are two recording methods - according to which type of cassette deck is being used.
1. In combination with a DDRP compatible JVC cassette deck :
   Peak search is initiated by pressing the [DDRP] button. As soon as the peak search is terminated, recording starts. The cassette deck should be operated in accordance with the instructions supplied with it.
2. In combination with any JVC cassette deck not DDRP-compatible :
   Where connection is made to a cassette deck not DDRP-compatible, via the synchro terminals, pressing the [DDRP] button will start the recording process.
   In this case, the cassette deck input level will not be automatically set.
   Where a none DDRP-compatible cassette deck is used, a preliminary recording should be made in order to ascertain ideal input levels - the input level being then set up in accordance with the instructions for the cassette deck. If the input-level knob is subsequently reset to the same position, this enables recording at the optimum level to be done, without resetting every time.

DDRP Cancel
Press the [▲ OPEN/CLOSE] button to cancel DDRP mode.

Note
- The graphic equalizer should not be used during DDRP recording. Using this facility will disturb the optimum recording level setting just found by the DDRP.
- Please do not turn off the power to the CD player while the DDRP mode is active. If this should be turned off by accident then the cassette deck should also be switched off for a few seconds in order to clear the DDRP recording mode from the cassette deck.
- When the cassette deck is connected via the synchro terminals, it is set in recording mode when DDRP is pressed. Take care, therefore, not to erase a tape by mistake.

Supplementary Notes
- *For successful DDRP recording, make sure to turn on the cassette deck before starting the recording.*
- *Whenever any addition or cancellation is made to the music tracks programme, the DDRP mode is cancelled.*
- *DDRP recording is automatically stopped when the CD player stops.*

ENGLISH

HOW TO INSTALL THE BATTERIES

The service life of the batteries depends on the condition of use; the standard life is about one year.
When the batteries becomes weak, the effective distance of the remote control unit will become shorter. If this happens, replace the batteries with new ones.

- **How to install batteries**

1. Remove the rear cover of the remote control unit by pressing down on it with your thumb and simultaneously pulling it backwards, as shown in Fig. 7.

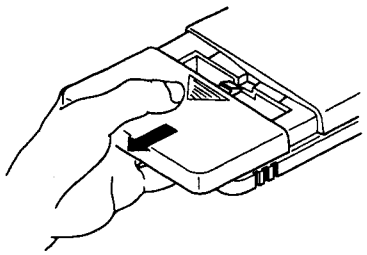


Fig. 7

2. Install batteries (AAA, R03, UM-4) as shown in Fig. 8.
   Be sure batteries are installed with correct polarity, (+) and (–).

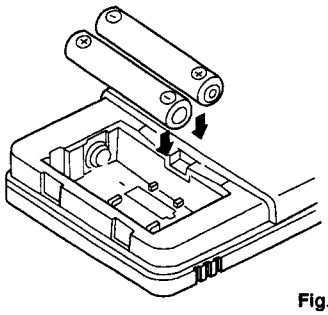


Fig. 8

3. Reinstall the rear cover of the remote control unit. Slide the rear cover back as shown in Fig.9.

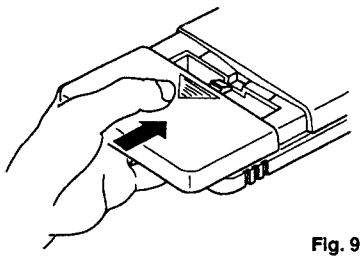


Fig. 9

Notes:

- **The lower the temperature, the shorter battery life.**
- **Battery replacement.**

- **Batteries**

Incorrect use of batteries can cause corrosion or damage. Note the following points to lenghten battery life.

1. Install batteries observing the correct polarity, (+) and (–).
2. Do not use new and old batteries simultaneously.
3. Batteries with similar shapes may have different voltage ratings. Be sure to use the correct batteries.
4. Remove batteries from the remote control unit if it will not be used for a long period of time.

(No.20392)1-9

CONNECTION DIAGRAM

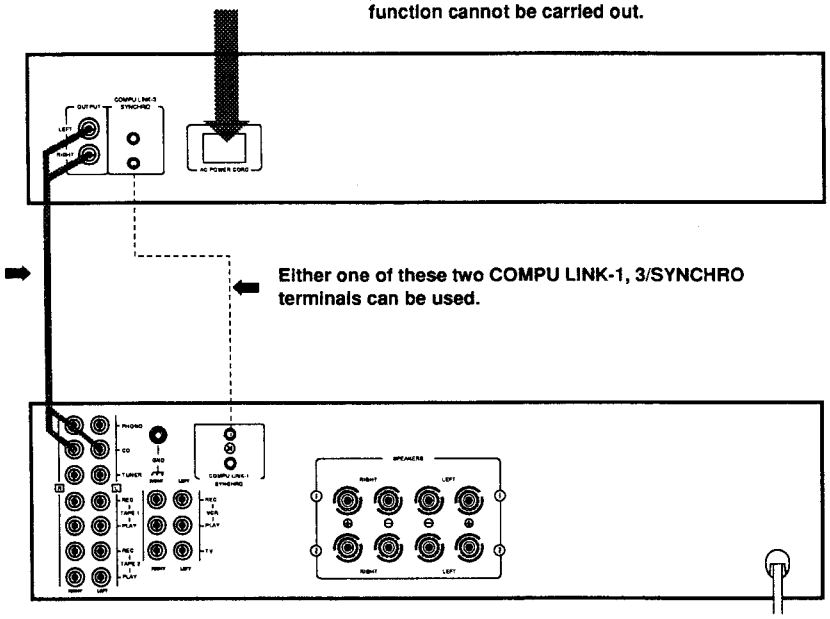
ENGLISH

- Do not connect the power plug unless all the connection is completed.
- Connect the audio plug firmly.
- The synchronized recording is only possible with JVC products which have the COMPU LINK-1, 3/SYNCHRO terminals. To carry out synchronized recording, connect to the amplifier's CD terminal. For further details, consult your JVC dealer.
- The AC power cord is supplied and must be connected to the unit before use.

Connecting to the Analog Output Terminals

When using the Compu Link Remote Control System version 3, do not connect the power cord to the SWITCHED AC OUTLET of an amplifier or receiver. Otherwise, the automatic power on/off function cannot be carried out.

AC POWER CORD



This cord is designed to connect the CD or AUX terminals. Do not connect this cord to the PHONO terminals of the amplifier.

Either one of these two COMPU LINK-1, 3/SYNCHRO terminals can be used.

An example of an amplifier

Fig. 10

DESCRIPTION AND FUNCTIONS

ENGLISH

❶ POWER (ON/STANDBY) switch and STANDBY indicator
Press this switch to turn the power on. Press again to turn the power off and activate the standby mode.
A small amount of power (3 watts) is consumed and the STANDBY indicator is lit in the standby mode. To turn the power off completely, disconnect the power cord from the wall outlet.

❷ REPEAT ALL/1
Press this button to play one selection, all the selections or the programmed selections of the disc repeatedly.
When desiring all the selections, press the button once. "REPEAT" will be lit in the display window. When desiring one selection, press the button once again. "REPEAT 1" will be lit in the display window. To release this repeat play, press the [REPEAT ALL/1] button again.

❸ PROGRAM
To program the sequence of the selections to be played, press this button while the CD player is in the STOP mode. The PROGRAM indicator lights and up to 32 selections can be programmed.

❹ CANCEL
Press this button to cancel a programmed tune, each time it is pressed, one tune is cancelled.

❺ RANDOM
When this button is pressed, the CD player will be ready for random play.

❻ Disc Tray
Load the disc to be played.

❼ REMOTE SENSOR
(for XL-V263TN/XL-V264BK only)

❽ 10 key operating buttons
To designate the desired track numbers or establish the time interval during the tape editing, use these buttons. If the desired number is 10 or less, use the [1] ~ [10] buttons. However, to assign a track number greater than 10, use the [+10] button and the [1] ~ [10] button.

Examples
- To assign the 25th track, press the [+ 10] button twice then press the [5] button.
- To assign the 30 minutes, press [+ 10] button twice then press the [10] button.

❾ PLAY ▶/II PAUSE
Press this button to start play. If the disc tray is out press this button, and disc tray will then move in and play will start (without pressing the [▲ OPEN/CLOSE button].
Press this button again to suspend play temporarily. The optical pickup stops and the disc continues to rotate. This status is called the pause mode.

Note:
- **If the button is pressed with no disc loaded, the disc tray will come out. If the button is pressed in the standby mode, the power will turn on and play will start.**

❿ PHONES LEVEL
Adjust the volume of the head phones.

Note:
- **When listening to music by the headphones, be careful not to abuse your ears by setting the volume too high. Adjust the volume properly to obtain ear-pleasing listening.**

⓫ PHONES
Insert the headphones into this jack.

⓬ EDITING
When editing the disc data in the cassette tape, the time interval can be established in advance in accordance with the tape length. When this button is pressed, "EDIT" appears in the display window.

⓭ SIDE A/B
Use this button to designate the tape side when programming for edit recording.

⓮ DDRP
Press this button for DDRP recording. If the player is connected to a DDRP system compatible cassette deck, when this button is pressed, the optimum recording level is automatically set and recording will start.

⓯ Display Window (MULTI MODE DISPLAY)
This shows the total number of selections on the disc, the total playing time, the elapsed playing time, the remaining playing time, various program data, etc.

⓰ ▲ OPEN/CLOSE
Press this button to move the disc tray in and out. Press once and the disc tray will move out; now you can load a disc. Press again to move the tray back in. The disc is now ready to be played.
If it is pressed during play, play will be interrupted. And the program will be erased from memory and the disc tray will come out.

Note:
- **If the power is turned off with the disc tray out, the disc tray will automatically come in.**
  The disc tray can be moved in and out even in the standby mode.

⓱ ◀◀ SEARCH
When this button is pressed during play or pause mode, the CD player will begin to scan backwards. In such a case, when the button is kept pressed, the CD player will backward-search slowly for about 3 seconds, and then go into a higher speed search.

▶▶ SEARCH
When this button is pressed during play or pause mode, the CD player will begin to scan forward. In such a case, when the button is kept pressed, the CD player will forward-search slowly for about 3 seconds and then go into a higher speed search.

⓲ ⏮ AUTO SEARCH
Press this button to locate the start of the current selection or to go back to the previous selection during play. Play will go back one selection each time the button is pushed. If the button is held down, play will continue to go back one selection at a time until the button is released.

▶▶⏭ AUTO SEARCH
Press this button to go to the start of the next selection. Every time this button is pressed, the pickup goes forward by one selection. Holding the button down moves the pickup forward continuously.

⓳ ■ STOP/CLEAR
Press this button to stop play. A few seconds after the disc has stopped rotating, the player goes into the STOP mode with the track number "1" shown in the display window. The player is then ready to play.

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ENGLISH

DISPLAY

RANDOM
Lights in RANDOM MODE.

EDIT
Lights during editing recording.
[EDIT AUTO] : Lights during Auto Edit Recording.
[EDIT PRGM] : Lights during Program Edit Recording.
A : Lights when the A side of the tape is designated.
B : Lights when the B side of the tape is designated.

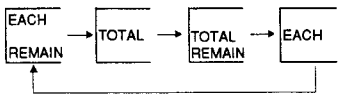
PLAY/PAUSE Indicators
► : Lights during play.
II : Lights in the pause mode.

REPEAT
Lights when the repeat play is ready.
REPEAT : Lights when the repeat play of all the selections is entered.
REPEAT 1 : Lights when the repeat play of only one selection is entered.

TRACK
Lights when all the selections of the disc are shown.
Shows the programmed selection numbers or the current selection number of the disc during programmed play.

STEP
Shows the numbers of memory steps of the programmed selections.

TOTAL/EACH/REMAIN
Each time the [DISPLAY MODE] button on the remote control unit is pressed, the indication changes in the following order.



EACH : Shows elapsed time for the each selection.
EACH REMAIN : Shows the remaining playing time of each selection. (Up to 31st selection can be displayed.)
TOTAL : Shows the elapsed playing time of the disc or the programmed selections.
TOTAL REMAIN : Shows the remaining playing time of the disc or the programmed selections. (Up to 31st selection can be displayed.)

Time Indicator (MINUTE)
Shows the total playing time, elapsed playing time, or the remaining playing time in minutes.

Time Indicator (SECOND)
Shows the total playing time, elapsed playing time, or the remaining playing time in seconds.

Program Chart
This chart indicates the number of each selection on the disc.
When a selection is programmed, the selection number lights.

DDRP INDICATORS
DDRP : Blinks during DDRP operation and lights steadily during DDRP recording.

REMOTE CONTROL UNIT

The remote control range is approximately 7 metres (23 ft.)
Pointing the remote control on an angle to the receiver, will reduce the useful distance of the remote control.
Use gentle but firm pressure when pressing the remote control buttons.

If you cannot do remote control, when the disc tray is slided out, the REMOTE SENSOR might be blocked by the disc tray. So operate as below.

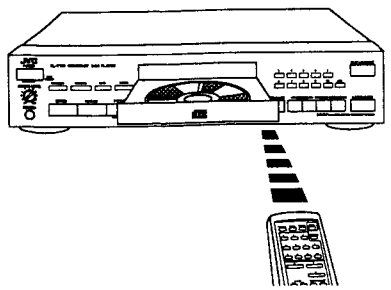


Fig. 13

Notes:
- **The provided remote control unit (RM-SX261U) has operating buttons which are basically identical with those of the CD player. The differences are the following button which are not on the CD player.**
- **Stop (■) button on the remote control unit cannot cancel the programmmed selections.**

10 key operating buttons
To designate the desired track numbers or establish the time interval during the tape editing, use these buttons. If the desired number is 10 or less, use the [1]~[10] buttons. However, to assign a track number greater than 10, use the [+10] button and the [1]~[10] buttons.

Example
- To assign the 25th track, press the [+10] button twice then press the [5] button.

Pause (II)
Press to stop play temporarily.

Note:
- **To continue playing, press the Play (►) button again.**

SEARCH (◄◄ SEARCH ►►)
◄◄ : Scans backward quickly during play.
►► : Scans forward quickly during play.

REPEAT ALL/1
Press this button to play one selection, all the selections or the programmed selections of the disc repeatedly.

DISPLAY MODE
This button changes the time data in the display window.

OPEN/CLOSE
Press to move the disc tray in and out.

PROGRAM
To program the sequence of the selections to be played, press this button while the CD player is in the STOP mode. The PROGRAM indicator lights and up to 32 selections can be programmed.

CANCEL
Press this button to cancel the programmed tune. Each time it is pressed, one tune is cancelled.

RANDOM
When this button is pressed, the CD player will be ready for random play.

POWER
Press this button to turn on the power of this set.

Play (►)
Press to start play.

Stop/Clear (■)
Press to stop play. However, this does not clear the program or the program edit recording.

AUTO SEARCH/CHECK (|◄◄,►►|)
|◄◄ : Skips to the beginning of the previous track.
►►| : Skips to the beginning of the next track.
It can be also used to check the program order, or to cancel part of the program.

INDEX
(—): To start play from the desired index point, scan backward to the desired index point with this button.
(—): To start play from the desired index point, scan forward to the desired point with this button.

HOW TO OPERATE

[ ] : The button on the main unit.
( ) : The button on the remote control.

ENGLISH

Preliminary Operation

1. Turn on and adjust components such as an amplifier.
2. Turn on the CD player.
3. Press the [▲(OPEN/CLOSE)] button to slide the disc tray out.
4. With its label side up, load a disc on the disc tray.
5. Press the [▲(OPEN/CLOSE)] button again to slide the disc tray in.

Notes:

- **The display shows the number of tracks and total playing time of the disc for 3 seconds.**
- **You can also close the disc tray by pressing the [PLAY►/II PAUSE] or (►) button. In such a case, play starts immediately with the first selection of the disc.**

To Play From the First Selection

Press the [PLAY►/II PAUSE] or (II) button.

To Play From Any Desired Selection

1. Designate the desired selection number by the 10 key operating buttons.

Examples:

- To assign the 25th track, press the [+10] button twice and then press the [5] button.
- To assign the 30th track, press the [+10] button twice and then press the [10] button.

The same operation can also be carried out using [(I◄◄,►►I)] button.

1. Designate the desired selection number by the ([►►I]) button.
2. Press the [PLAY►/II PAUSE] or (►) button.

To Stop Play Temporarily

Press the [PLAY►/II PAUSE] or (II) button.

Note:

- **To continue playing, press the [PLAY►/II PAUSE] or (►) button again.**

To Switch Selections During Play

- **To skip to the next selection**
  Press the [(►►I)] button.
- **To skip to the previous selection**

1. Press the [(I◄◄)] button once and locate the start of the current selection.
2. Immediately after step 1, press the [(I◄◄)] button again.

To Repeat Play

- **To repeat all the selections**

1. Press the [(REPEAT ALL/1)] button once.
2. Press the [PLAY►/II PAUSE] or (►) button.

- **To repeat one selection**

1. Press the [(REPEAT ALL/1)] button twice.
2. Designate the desired selection number by the [(►►I)] button.
3. Press the [PLAY►/II PAUSE] or (►) button.

To Stop Play

Press the [■STOP/CLEAR] or (■) button.

To Remove the Disc

Press the [OPEN/CLOSE (▲)] button.

To Program Play

1. Press the [■STOP/CLEAR] or (■) button.
2. Press the [PROGRAM] button.
3. Program any desired selections with the 10 key operating buttons.
4. Press the [PLAY►/II PAUSE] or (►) button.

To Correct the Program

- **To correct all the program**

1. Press the [■STOP/CLEAR] or (■) button.
2. Start programming again from the beginning.

- To correct each content of the program during programming

1. Press the [(I◄◄)] button to go back to the program which needs to be cancelled.
2. Press the [(CANCEL)] button.
3. Program a desired selection with the 10 key operating buttons.
   * Newly programmed selection is added to the last of the program.

To Check the Program

Press the [(I◄◄ ,►►I)] button.

Notes:

- **A maximum of 32 out of 99 tunes can be selected.**
- **When the programmed play is performed, the selection number programmed first and the total playing time of programmed selections are displayed.**
- **The total playing time display is useful when making recording from the CD player.**
- **When programming is carried out with the disc tray out, the total playing time of the programmed selections will not be displayed.**
- **When the total playing time of all the selected tunes exceeds 99 minutes and 59 seconds, the time display will be disabled and only the center bar will be displayed.**
- **Pressing the [(►►I)] button when in the programmed play causes the unit to skip to the next programmed selection.**
- **To stop temporarily during programmed play, press the [PLAY►/II PAUSE] or (II) button. Press this button again to restart.**

To Random Play

1. Press the [■STOP/CLEAR] or (■) button.
2. Press the [(RANDOM)] button.
3. Press the [PLAY►/II PAUSE] or (►) button.

To Cancel the part of Random Play

1. Select the track(s) you want to cancel with the 10 key operating buttons.

To add cancelled track(s) to Random Play

1. Select the cancelled track(s) you want to add to Random Play with the 10 key operating buttons or [(I◄◄,►►I)] button.
2. Press the [(PROGRAM)] button.

To Perform Synchronized Recording

Synchronized recording is possible by connecting the cassette deck to the COMPU LINK-1, 3/SYNCHRO terminals of the CD player through the remote cable.

1. Press the [REC (○)] and [PAUSE (II)] buttons of the cassette deck.
2. Press the [PLAY►/II PAUSE] or (►) button of the CD player to start the synchronized recording.
3. Press the [STOP/CLEAR (■)] or (■) button to stop recording.

To record using DDRP

Whenever the remote cable supplied is connected to the COMPU LINK-1, 3/SYNCHRO terminals housed in a DDRP-compatible cassette deck (with its power on), DDRP recording mode is available.
By pressing the [DDRP] button, recording is automatically started as soon as the peak level search routine is completed.

To Perform Edit Recording

- **Auto Edit Recording**
  Automatically distributes and edits the tracks accommodated within the specified time to sides A and B.

1. Set a disc and press the [■STOP/CLEAR] or (■) button.
2. Press the [EDITING] button to light AUTO.
3. Set the recording time corresponding with the tape used, using the numerical key buttons.

Examples:

- To assign the 54 minutes, press [+10] button fifth then press the [4] button.
- To assign the 90 minutes, press [+10] button eight then press the [10] button.
  When the length of tape corresponds with the time displayed then the [SIDE A/B] button should be pressed.

4. Press the [DDRP] button.
   (When automatic setting of the recording level is not required, set the cassette deck to standby (REC PAUSE) and press the CD player [PLAY►/II PAUSE] or (►) button.)
   (When the synchro terminals are not connected, once the peak search is completed, set the cassette deck to record, and press the CD player [PLAY►/II PAUSE] or (►) button.)

   When the side A music programme has terminated, recording is automatically stopped.
   If side B is also to be recorded, turn the tape over and again press the [DDRP] button. (now recording will start immediately)

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Program Edit Recording
Edits the tracks accommodated within the specified time in the desired track order.
1. Set a disc and press the [■STOP/CLEAR] or (■) button.
2. Press the [EDITING] button to light PRGM.
3. Set the recording time corresponding with the tape used, using the numerical key buttons.

Examples:
- To assign the 54 minutes, press [C + 10] button fifth then press the [C4] button.
- To assign the 60 minutes, press [+ 10] button fifth then press the [(10)] button.

When the length of tape corresponds with the time displayed then the [SIDE A/B] button should be pressed.

4. Select the tracks to be recorded on side A, using the numerical key buttons.
5. Press the [SIDE A/B] button.
6. Select the tracks to be recorded on side B, using the numerical key buttons.
7. Press the [DDRP] button.
(When automatic setting of the recording level is not required, set the cassette deck to standby (REC PAUSE) and press the CD player [PLAY ►/II PAUSE] or (►) button.

When the synchro terminals are not connected, once the peak search is completed, set the cassette deck to record, and press the CD player [PLAY ►/II PAUSE] or (►) button.)

When the side A music programme has terminated, recording is automatically stopped.
If side B is also to be recorded, turn the tape over and again press the [DDRP] button (now recording will start immediately).

Connecting to a cassette deck not DDRP-compatible, via the synchro terminals
Where connection is made to a cassette deck not DDRP compatible, via the synchro terminals, the recording process will be started by pressing the [DDRP] button.
In this case, the cassette deck input level will not be automatically set.
A preliminary recording should be made in order to ascertain input levels - the input level being then set up in accordance with the cassette deck instruction manual. Subsequently setting the input-level knob to the same position enables recording at the optimum level without a resetting process every time.

TROUBLESHOOTING

What appears to be a malfunction may not always be serious.
Make sure first.

Although the disc is inserted in the CD player, DISPLAY shows no data.
Is the disc placed upside down?
– Place the disc on the disc tray with its label side up.

Selections cannot be programmed.
Is the "PROGRAM" indicator lit?
– Press the [PROGRAM] button.

The remote control unit does not function.
Are the batteries fresh?
– Replace the batteries with new ones.

The sound is intermittent and is harsh to the ear.
Is the disc dirty?
– Wipe off the surface with a soft cloth.
Is the disc scratched?
– Replace the disc with a new one.
Is the disc warped?
– Replace the disc with a new one.

SPECIFICATION

System	: Compact disc player
Signal detection system	: Non-contact optical system
Number of channels	: 2 channels
Frequency response	: 2 Hz ~ 20,000 Hz
Dynamic range	: 98 dB (1 kHz)
Signal/noise ratio	: 106 dB (at digital 0)
Channel separation	: 94 dB (1 kHz)
Harmonic distortion	: 0.0025 % (1 kHz)
Wow and flutter	: Less than measurable limit
Output level	: 2.0 Vrms (full scale)
Number of program steps	: 32 steps
Dimensions	: 435 (W) x 102 (H) x 273.5 (D) mm (17-3/16" x 4-1/16" x 10-3/4")
Weight	: 3.5 kg (7.8 lbs)

Accessories	: Signal cord (1 m • 3.28 ft.) 1
	: Remote cable (1 m • 3.28 ft.) 1
For XL-V263TN/XL-V264BK	
	: Remote control unit (RM-SX261U) 1
	: Battery (AAA, R03, UM-4) ... 2

Design and specifications subject to change without notice.

POWER SPECIFICATIONS

Line Voltage & Frequency	Power Consumption
AC240V ~, 50Hz	11 Watts